

U. S. ENVIRONMENTAL PROTECTION AGENCY  
REGION IV, ATHENS, GEORGIA

MEMORANDUM

Site:	<i>Carner</i>
Break:	
Other:	

DATE: **SEP 20 1989**

SUBJECT: Carrier Corporation Site; Collierville, Tennessee,  
Work Plan, Sampling Plan, Quality Assurance Project Plan, Health and  
Safety Plan; EPA Project # 89E-410

FROM: William Bokey *William Bokey*  
Hazardous Waste Section  
Environmental Compliance Branch  
Environmental Services Division

TO: Felicia Barnett  
North Site Management Section  
Superfund Branch  
Waste Management Division

THRU: M. D. Lair, Chief *MDL*  
Hazardous Waste Section  
Environmental Compliance Branch  
Environmental Services Division

John Schoolfield and I have reviewed the subject documents and offer the following comments:

1. The Health and Safety plan was acceptable.
2. Quality Assurance Project Plan:
  - A. Section 5.0, Page 1, Sampling Procedures, Paragraph 4: The drilling equipment should also be cleaned in accordance to ESDs SOP procedures. Just steam cleaning the down-hole drilling equipment between holes is not adequate.
  - B. Section 10, page 2, Trip Blanks: The trip blanks should also be analyzed, even if no contaminants are detected in the field blank.
3. Work Plan
  - A. Section 3.5, Page 15, Unsaturated Zone Investigation: How will responses from the PID be interpreted?
  - B. Section 4.5, Page 3, Sampling Locations and Frequencies: What concentrations detected on the PID will result in the samples being sent to the laboratory for routine analysis? (i.e. 5 ppm - no action, 6 ppm - send to the lab!) In addition, will the PID be calibrated prior to use? More information needs to be presented on this screening technique before we can approve it.



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- C. Section 4.6.1, Page 7, Preventing Deep Aquifer Contamination: Three drilling methods were discussed but no mention was made on what factors would be used to select the drilling methods used at the site. In addition, not only should stainless steel screen be used but also stainless steel casing. Also, how long will the bentonite seal be allowed to hydrate prior to adding the grout? More details need to be provided on monitoring well installation.

4. Sampling Plan

- A. Section 4.2, Page 25, Well Installation: See comments in 3. C. above.

If you have any questions, please call me at FTS 250-3321.

Attachment

cc: Finger/Patton  
Lair/Bokey